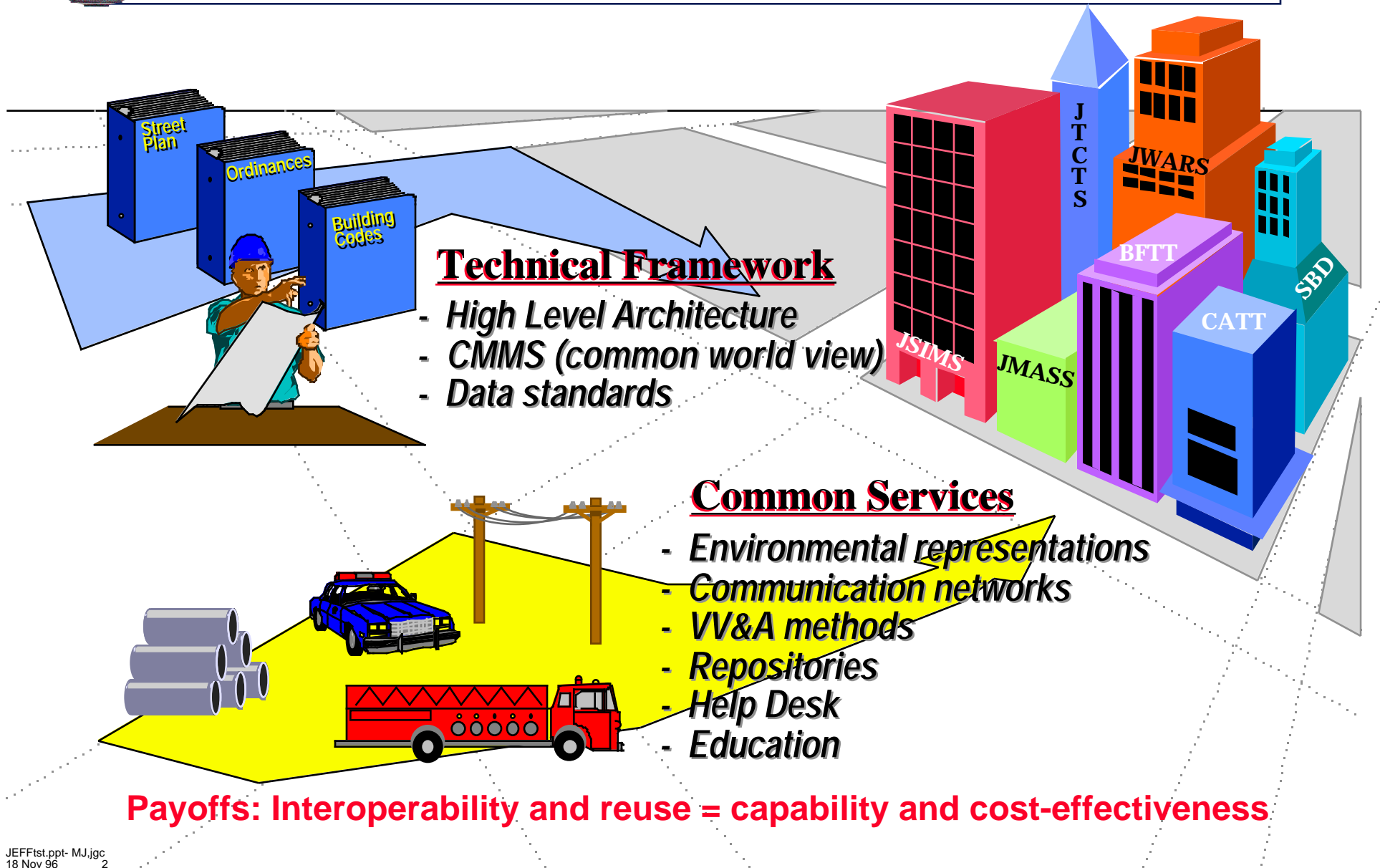


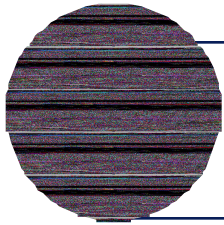
Defense Modeling & Simulation Office

Data Standards Program

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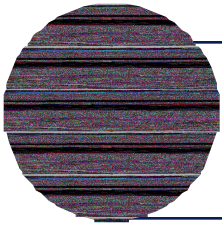
DoD M&S Strategy: An Analogy to City Planning





Data Standards Project Priorities

- **HLA FOM/SOM content standards and data interchange formats, with immediate focus on the IEEE-1278.1 PNP Reference FOM.**
- **JSIMS and JWARS related CMMS integration and interoperability.**
- **Scenario generation with Order of Battle instance data interchange**



Priority Data Standards Products

1. Common Semantics and Syntax (CSS):

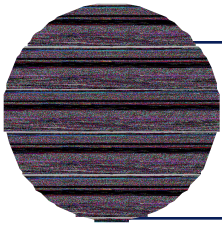
- standard naming conventions in a common lexicon
- entity-based and action-based data element dictionaries
- common taxonomies within identified application clusters
- drawn from existing standards wherever possible
- supporting tools for capture, matching, and mapping

Is the the logical structure and content (meaning) of any specific model or data element using a standard recognized by all.

2. Data Interchange Formats (DIF):

- for HLA FOM/SOM development
- for HLA Runtime Initialization Data (RID)
- for CMMS Entities, Action, Tasks, and Interactions (EATI)
- for Order of Battle instance data
- for environmental data (SEDRIS)

Is the physical realization (BNF, SQL, bits & bytes) logical CSS content which programmers employ to actually interchange data.



Supporting Data Standards Products

3. Authoritative Data Sources (ADS):

- identifies standard sources of M&S data
- authority designation by Services, Components, and Agencies
- registration on (C)MSRR

Is the primary means for identifying authoritative data for re-use.

4. Data Quality practices(DQ):

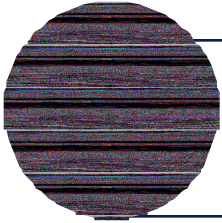
- standard VV&A/C pedigree for recording data quality
- integrated VV&A/C guidelines for data examination
- platform-independent DAVIE toolset

Is the standard “nutritional food label” for M&S data.

5. Data Security practices(DS):

- integrated classification and releasability meta-data
- standard protection and access utilities

Provide the means to enforce a range of protection/release policies.



The Data Engineering Technical Framework is...

The formal vehicle for promulgating Data Standards under the M&S CTF

